

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An electronic apparatus having ~~several~~ a plurality of operation modes, comprising:

an operation mode setting unit configured to set the operation modes;
a time setting unit configured to set time information for carrying out each operation mode; [[and]]

an operation mode acquisition and determination unit configured to acquire a current operation mode and to determine whether the current operation mode corresponds to a desired operation mode, based upon the time information set by the time setting unit and a current time; and

a control unit configured to carry out an operation mode changeover in accordance with the time set by the time setting unit to change to the desired operation mode if the determination unit determines that the current operation mode does not correspond to the desired operation mode.

2. (Original) The apparatus according to claim 1, wherein the operation modes include a first operation mode and a second operation mode,

the apparatus has a function of turning off a monitor when no operation of the apparatus is made beyond first time in the first operation mode, and turning off the monitor when no operation to the apparatus is made beyond second time shorter than the first time in the second operation mode, and

the control unit operates the apparatus in the second operation mode in a specific time zone set by the time setting unit, in order to start the function of turning off the monitor at the second time shorter than the first time.

3. (Original) The apparatus according to claim 1, wherein the operation modes include a first operation mode and a second operation mode,

the apparatus has a function of turning off a hard disk drive when no access is made beyond first time in the first operation mode, and turning off the hard disk drive when no access is made beyond second time shorter than the first time in the second operation mode, and

the control unit operates the apparatus in the second operation mode in a specific time zone set by the time setting unit, in order to start the function of turning off the hard disk drive at the second time shorter than the first time in the specific time zone.

4. (Currently Amended) The apparatus according to claim 1, wherein the operation modes include a first operation mode and second operation mode, the apparatus has a function of driving an optical disk drive at a first speed in the first operation mode, and driving the optical disk drive at a second speed ~~later lower~~ than the first speed in the second operation mode, and the control unit operates the apparatus in the second operation mode in a specific time zone set by the time setting unit, in order to drive the optical disk drive at the second speed ~~later lower~~ than the first speed in the specific time zone.

5. (Canceled)

6. (Currently Amended) The apparatus according to claim 1, wherein the operation modes include a first operation mode and a second operation mode, the apparatus has a function of controlling a drive speed of an optical disk drive, and a function of driving the optical disk at a first speed in the first operation mode and driving it at a second speed ~~later lower~~ than the first speed in the second operation mode, and the control unit operates the apparatus in the second operation mode in a specific time zone set by the time setting unit, in order to drive the optical disk drive at the second speed ~~later lower~~ than the first speed in the specific time zone.

7. (Currently Amended) An electronic apparatus having ~~several~~ a plurality of operation modes, comprising:

 a first setting unit configured to set the operation modes;

 a second setting unit configured to set a corresponding time zone for carrying out each operation mode;

 a third setting unit configured to acquire a current operation mode; to select an arbitrary a desired operation mode from the operation modes set by the first setting unit based upon the time zone set by the second setting unit and a current time; and to determine whether the current operation mode corresponds to the desired operation mode in accordance with each time zone set by the second setting unit; and

 a control unit configured to carry out a changeover to ~~the operation mode set by the first setting unit, that is, the corresponding operation mode selected by the third setting unit in accordance with each time zone set by the second setting unit change to the desired operation mode if the determination unit determines that the current operation mode does not correspond to the desired operation mode.~~

8. (Original) The apparatus according to claim 7, wherein the first setting unit sets a first operation mode of turning off a monitor when no operation to the apparatus is made beyond first time, and a second operation mode of turning off the monitor when no operation to the apparatus is made beyond second time shorter than the first time, and

the second and third setting unit operate the apparatus in the second operation mode in accordance with a specific time zone, in order to start the function of turning off the monitor at the second time shorter than the first time in the specific time zone.

9. (Original) The apparatus according to claim 7, wherein the first setting unit sets a first operation mode of turning off a hard disk drive when no access is made beyond first time, and a second operation mode of turning off the hard disk drive when no access is made beyond second time shorter than the first time in the second operation mode, and

the second and third setting unit operate the apparatus in the second operation mode in accordance with specific time zone, in order to start the function of turning off the hard disk drive at the second time shorter than the first time in the specific time zone.

10. (Currently Amended) The apparatus according to claim 7, wherein the first setting unit sets a first operation of driving an optical disk drive at a first speed, and a second operation mode of driving the optical disk drive at a second speed later lower than the first speed in the second operation mode, and

the second and third setting unit operate the apparatus in the second operation mode in accordance with a specific time zone, in order to drive the optical disk drive at the second speed later lower than the first speed in the specific time zone.

11. (Original) The apparatus according to claim 7, wherein the apparatus has a function of controlling operation speed of a processor and a function of controlling drive or non-drive of a cooling fan,

the first setting unit sets a first operation mode of carrying out temperature control giving priority to the drive of the cooling fan rather than the speed reduction of the processor, and a second operation mode of carrying out temperature control giving priority to the speed reduction of the processor rather than the drive of the cooling fan, and

the second and third setting unit operates the apparatus in the second operation mode in accordance with specific time zone, in order to carry out temperature control giving priority to the speed reduction of the processor rather than the drive of the cooling fan in the specific time zone.

12. (Currently Amended) The apparatus according to claim 7, wherein the apparatus has a function of controlling a drive speed of an optical disk drive,

the first setting unit sets a first operation mode of driving the optical disk at a first speed and a second operation mode of driving it at a second speed later lower than the first speed in the second operation mode, and

the second and third setting unit operates the apparatus in the second operation mode in accordance with specific time zone, in order to drive the optical disk drive at the second speed later lower than the first speed in the specific time zone.

13. (Currently Amended) A method of setting an operation mode of an electronic apparatus having several a plurality of operation modes, comprising:

setting the operation modes;

setting time information for carrying out each operation mode; [[and]]

acquiring a current operation mode;

determining whether the current operation mode corresponds to a desired operation mode based upon the time information and a current time; and

carrying out an operation mode changeover in accordance with the setting time to change to the desired operation mode if the current operation mode does not correspond to the desired operation mode.

14. (Currently Amended) A method of setting an operation mode of an electronic apparatus having several a plurality of operation modes, comprising:

setting the operation modes;

setting corresponding time zone for carrying out the operation modes;

acquiring a current operation mode;

selecting an arbitrary a desired operation mode from the operation modes based upon the time zone and a current time;

determining whether the current operation mode corresponds to the desired operation mode; in accordance with each time zone, and

carrying out a changeover to the operation mode, that is, the corresponding operation mode in accordance with each setting time zone change to the desired

operation mode if the current operation mode does not correspond to the desired operation mode.

15. (Currently Amended) A computer readable recording medium recording programs for operating a computer having ~~several~~ a plurality of operation modes as the following functional unit:

an operation mode setting unit configured to set the operation modes;
a time setting unit configured to set time information for carrying out each operation mode; [[and]]

an operation mode acquisition and determination unit configured to acquire a current operation mode and to determine whether the current operation mode corresponds to a desired operation mode, based upon the time information set by the time setting unit and a current time; and

a control unit configured to carry out an operation mode changeover in accordance with the time set by the time setting unit to change to the desired operation mode if the determination unit determines that the current operation mode does not correspond to the desired operation mode.

16. (Currently Amended) A computer readable recording medium recording programs for operating a computer having ~~several~~ a plurality of operation modes as the following functional unit:

a first setting unit configured to set the operation modes;

a second setting unit configured to set a corresponding time zone for carrying out each operation mode;

a third setting unit configured to acquire a current operation mode; to select an arbitrary a desired operation mode from the operation modes ~~set by the first setting unit based upon the time zone set by the second setting unit and a current time~~; and to determine whether the current operation mode corresponds to the desired operation mode in accordance with each time zone set by the second setting unit; and

a control unit configured to carry out a changeover to ~~the operation mode set by the first setting unit, that is, the corresponding operation mode selected by the third setting unit in accordance with each time zone set by the second setting unit~~ change to the desired operation mode if the determination unit determines that the current operation mode does not correspond to the desired operation mode.